



U. S. Environmental Protection Agency

Region I

**John F. Kennedy Federal Building
Boston, Massachusetts 02203**

The Commonwealth Of Massachusetts

Water Resources Commission

Division of Water Pollution Control

Leverett Saltonstall Building

Boston, Massachusetts 02202

DISCHARGE PERMIT

Name and Address of Applicant: Weyerhaeuser Company, Paper Division,
P. O. Box 601, Fitchburg, Massachusetts 01420

Application No. - Federal MA0004448 (07Y 000 3 000674)

- State 16

Date of Application June 21, 1971

Permit No. - Federal MA0004448

- State 87

Date of Issuance January 29, 1974

Date of Expiration June 31, 1975 or date of tie-in to the municipal
system, whichever is sooner.

AUTHORITY FOR ISSUANCE

Pursuant to Section 402(a)(1) of the Federal Water Pollution Control Act, as amended (Public Law 92-500) and pursuant to authority granted by Chapter 21, Sections 43-45 of the Massachusetts General Laws, as amended, the following permit is hereby issued to:

Weyerhaeuser Company, Paper Division

P.O. Box 601, Fitchburg, Massachusetts 01420

(hereinafter called the permittee),

authorizing discharges to the North Branch of the Nashua River, the
Whitman River, and Flag Brook, all in the City of Fitchburg, County
of Worcester as shown on the attached sketch.

such authorization being expressly conditional on compliance by the permittee with all terms and conditions of the permit hereinafter set forth.

This Discharge Permit is issued jointly by the U. S. Environmental Protection Agency and the Division of Water Pollution Control under Federal and State law, respectively. Each Agency shall have the independent right to enforce the terms and conditions of this Permit. Any modification, suspension, or revocation of this Permit shall be effective only with respect to this Agency taking such action, and shall not affect the validity or status of this Permit as issued by the other Agency, unless and until each Agency has concurred in writing with such modification, suspension, or revocation. In the event any portion of this Permit is declared invalid, illegal, or otherwise issued in violation of State law, such Permit shall remain in full force and effect under Federal law as an NPDES Permit issued by the U. S. Environmental Protection Agency. In the event this Permit is declared invalid, illegal, or otherwise issued in violation of Federal law, this Permit shall remain in full force and effect under State law as a Permit issued by the Commonwealth of Massachusetts.

I. SPECIAL CONDITIONS

1. Effluent Limitations and Schedule of Compliance

- a. Until completion of facilities required below, the permittee shall collect all waste flows from its plant site and discharge them in such a manner that the effluent characteristics shall not exceed the following limits:

<u>Parameters</u>	<u>Calendar Month Average Quantity</u>	<u>Instantaneous Maximum</u>
All discharges) BOD ₅	1,900 pounds/day	
)		
) TSS	18,900 pounds/day	
)		
) Flow	4.8 MGD	10 MGD

By December 1, 1974, all uncontaminated waste shall be segregated from any process waste and discharged to the receiving water in a manner acceptable to the Regional Administrator and the Director.

- b. (1) By December 31, 1974, the permittee is to complete construction of pretreatment facilities approved by the Division needed to meet the Municipal Sewer Ordinance. These pretreatment facilities must be in accordance with Section 307(b) of the Act, and regulations issued thereunder, and applicable State and local laws. The effluent discharged to the municipal system shall meet the requirements outlined in the contract executed between the permittee and the City of Fitchburg.
- (2) In constructing the required facilities needed to tie in to the municipal system, the permittee shall comply with the following implementation schedule:
- (a) By February 28, 1974, submit an engineering report and final plans to the Regional Administrator for review and to the Director for approval;
- (b) By April 30, 1974, initiate construction of the required facilities and notify the Regional Administrator and the Director thereof;

- (c) By December 31, 1974, complete construction of the required facilities and notify the Regional Administrator and the Director thereof;
 - (d) The permittee shall connect all waste flows into the municipal sewerage system within thirty days of its availability.
- (3) If for any reason after the commencement of construction of a municipally owned waste treatment facility, it appears that such facility will be unable to provide facilities for treatment which will meet the requirements of §301(b)(1)(B) of the Act by December 31, 1974, the permittee will notify the Regional Administrator and the Director as soon as he has knowledge of such inability. At that time this permit and its conditions will be subject to review by the Regional Administrator and the Director who, at their discretion, may determine to modify the permit.
- c. The permittee shall include in any engineering report submitted, how production shall be controlled or the discharge shall be handled in the event the primary source of electric power to the permittee's waste treatment facility or any equipment fails in order to insure that any discharge shall comply with the conditions of the permit. The report must indicate if any spare or alternate equipment is to be provided.

2. Monitoring and Reporting

- a. The permittee shall monitor and record the quality of each discharge according to the following requirements:

[illegible]

- b. The permittee shall (1) implement the monitoring schedule within 45 days from the date of this permit; (2) submit the first report on a form acceptable to the Regional Administrator and the Director, properly filled in and signed, 90 days from the date of this permit; and (3) submit all subsequent reports on a form acceptable to the Regional Administrator and Director, properly filled in and signed, on the tenth of January, April, July, and October thereafter to the Regional Administrator and the Director.
- c. The permittee shall maintain records of all information resulting from any monitoring activities required herein and shall report same to the Regional Administrator and the Director in accordance with the above schedule. Any records of monitoring activities and results shall include for all samples: (1) the date, exact place and time of sampling; (2) the dates and times analyses were performed; (3) who performed the sampling and analyses; (4) the analytical techniques/methods used, including sampling, handling, and preservation techniques; and (5) the results of each such analysis. Any records of monitoring activities and results, including all original strip chart recordings for continuous monitoring instrumentation and calibration and maintenance records, shall be retained for a minimum of three years. This period shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the permittee or when requested by the Regional Administrator and the Director.
- d. For specific monitoring, reporting and sampling procedures, the permittee shall refer to General Condition 10 as hereinafter set forth.

II. GENERAL CONDITIONS

1. All discharges shall be consistent with the terms and conditions of this permit; any changes in production capacity or process modifications which result in new or increased discharges of pollutants must be authorized by an additional permit or by modifications of this permit; it shall be a violation of the terms and conditions of this permit to discharge any pollutant not identified and authorized herein or to discharge in excess of the rates or quantities authorized herein.
2. After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:
 - a. Violation of any terms or conditions of the permit;
 - b. Obtaining a permit by misrepresentation or failure to disclose fully all relevant facts; and,
 - c. A change in conditions or the existence of a condition which requires either a temporary or permanent reduction or elimination of the authorized discharge.
3. The permittee shall permit Division and EPA personnel, upon the presentation of the proper credentials:
 - a. To enter upon permittee's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit;
 - b. To have access to and copy any records required to be kept under the terms and conditions of this permit;
 - c. To inspect any monitoring equipment or monitoring method required in this permit; or,
 - d. To sample at any intake, process or cooling effluent, wastewater treatment facility, and/or outfall.
4. This permit may be transferred to the permittee's successor or assigns with written notification to the Director and the Regional Administrator.
5. The permittee shall at all times maintain in good working order and operate at maximum efficiency all treatment or control facilities.

6. The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges; nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State, or local laws or regulations; nor does it waive the necessity of obtaining State or local assent required by law for the discharges authorized herein.
7. All information and data provided by an applicant or a permittee identifying the nature and frequency of a discharge shall be available to the public without restriction. All other information (other than effluent data) which may be submitted by an applicant in connection with a permit application or which may be furnished by a permittee in connection with required periodic reports shall also be available to the public unless the applicant or permittee is able to demonstrate that the disclosure of such information or a particular part thereof to the general public would divulge methods or processes entitled to protection as trade secrets in accordance with Federal regulations contained in 40 CFR Part 124.35. Where the applicant or permittee is able to so demonstrate, the Director and the Regional Administrator shall treat the information or the particular part (other than effluent data) as confidential and not release it to any unauthorized person. Such information may be divulged to other officers, employees, or authorized representatives of the Commonwealth or the United States Government concerned with carrying out water pollution control laws. Notwithstanding the above, the Director and the Regional Administrator, when the national security requires, may withhold any information from the public.
8. This permit does not authorize or approve the construction of any physical structures or facilities in or over any navigable waters, or the undertaking of any work therein.
9. All reports and communications required hereunder are to be made or sent to the Director of the Division of Water Pollution Control and the Regional Administrator of the Environmental Protection Agency.
10. Monitoring, Sampling and Reporting
 - a. The permittee shall calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at regular intervals to ensure accuracy of measurements or shall ensure that both activities will be conducted. Samples shall be representative of the volume and quality of effluent discharged over the sampling and reporting period. All samples are to be taken during normal operating hours.

The permittee shall provide the above records and shall demonstrate the accuracy of the flow measuring device upon request of the Director and the Regional Administrator. The permittee shall identify the effluent sampling point used for each discharge.

The permittee shall analyze any additional samples as may be required by the Director and the Regional Administrator to ensure analytical quality control.

- b. The sampling, preservation, handling, and analytical methods used must conform to the test procedures guidelines prepared under Section 304(g) of the Act when available or until then to the following reference methods, latest edition. However, different but equivalent methods are allowable if they receive the prior written approval of the Regional Administrator.

(1) Standard Methods for the Examination of Water and Wastewaters, 13th Edition, 1971, American Public Health Association, New York, New York 10019;

(2) A.S.T.M. Standards, Part 23, Water; Atmospheric Analysis, 1970; American Society of Testing and Materials, Philadelphia, Pennsylvania 19103; or

(3) Methods for Chemical Analysis of Water and Wastes, April 1971, Environmental Protection Agency Water Quality Office, Analytical Quality Control Laboratory, 1014 Broadway, Cincinnati, Ohio 45268.

- c. The results of the above monitoring requirements shall be reported as required in Special Condition 2. The permittee shall include in this report any previously approved non-standard methods used. Permanent elimination of a discharge should be brought to the attention of the Director and the Regional Administrator within 15 days by a special written notification. A written report should be submitted if there have been any modifications in the waste collection, treatment, and disposal facilities; changes in operational procedures; or other significant activities which alter the nature and frequency of the discharges or otherwise concern the conditions of this permit.

11. Certification of Reports

All reports shall be signed by:

- a. In the case of corporations, by a principal executive officer of at least the level of vice president, or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge originates.
- b. In the case of a partnership, by a general partner.
- c. In the case of a sole proprietorship, by the proprietor.
- d. In the case of a municipal, State, or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.
- e. Any engineering reports and plans must be stamped and signed by a Massachusetts-registered professional engineer.

12. Oil Discharges

There shall be no discharge of harmful quantities of oil, as defined pursuant to 40 CFR 110 and Massachusetts Water Quality Standards, including (1) any subsequent amendments or revisions made thereto, or (2) any more restrictive limitations which may be imposed otherwise by law or regulation. The authorization of this permit does not preclude the institution of any legal action nor relieve the permittee from any liabilities, penalties, or responsibilities established by Section 311 of the Act, by Massachusetts General Laws c. 21, §§27(10), 42, as amended, and the Massachusetts Rules for the Prevention and Control of Oil Pollution in the Waters of the Commonwealth, by any subsequent amendments thereto, or by any superseding Federal or State legislation.

13. Other Materials

Other materials ordinarily produced or used in the operation of this facility, which have been specifically identified in the application, may be discharged at the maximum frequency and maximum level identified in the application, provided:

- a. They are not

- (1) designated as toxic or hazardous under provisions of Sections 307 and 311, respectively, of the Federal Water Pollution Control Act, or the Massachusetts General Laws c. 21, §§57, 58 and the Division of Water Pollution Control Hazardous Waste Regulations

- (2) known to be hazardous or toxic by the permittee, except that
 - (3) such materials may be discharged in certain limited amounts with the written approval of, and under special conditions established by, the Director and the Regional Administrator or their designated representatives, if the substances will not pose any imminent hazard to the public health or safety;
- b. The discharge of such materials will not violate applicable water quality standards; and
 - c. The permittee is not notified by the Director and the Regional Administrator to eliminate or reduce the quantity of such materials entering the watercourse.

14. Solids Disposal

Collected screenings, sludges, and other solids removed from liquid wastes shall be disposed of in such a manner as to prevent entry of such materials or leachate therefrom into navigable waters or their tributaries.

15. Non-Compliance

In the event the permittee is unable to comply with any of the conditions of this permit due, among other reasons, to:

- a. breakdown of waste treatment equipment (biological and physical-chemical systems including, but not limited to, all pipes, transfer pumps, compressors, collection ponds or tanks for the segregation of treated or untreated wastes, ion exchange columns, or carbon adsorption units);
- b. accidents caused by human error or negligence;
- c. electric power failure; or
- d. other causes including acts of nature

the permittee shall notify the Director and the Regional Administrator in writing as soon as he or his agents have knowledge of the incident. The written notification shall include pertinent information explaining reasons for the non-compliance and shall indicate what steps are being taken to correct the problem and prevent it from recurring.

(2) known to be hazardous or toxic by the permittee, except that

(3) such materials may be discharged in certain limited amounts with the written approval of, and under special conditions established by, the Director and the Regional Administrator or their designated representatives, if the substances will not pose any imminent hazard to the public health or safety;

b. The discharge of such materials will not violate applicable water quality standards; and

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d. other causes including acts of nature

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16. Bypass of Waste Treatment Facilities

There shall be no bypass of the waste treatment facility at any time where such bypass would allow the entry of untreated wastes to receiving waters.

17. Reapplication

If the permittee desires to continue to discharge after the expiration of this permit, it shall reapply on the application forms then in use at least 180 days before this permit expires.

18. Definitions

For purposes of this permit, the following definitions shall apply.

Average - The arithmetic mean of values of analyses from samples taken at the frequency required for such parameter over a specific operating period.

Composite Sample - A sample consisting of a minimum of eight grab samples collected at regular intervals over a normal operating day and combined proportional to flow, or a sample continuously collected proportional to flow over a normal operating day.

Contaminated Cooling Water - Water used for cooling purposes only which contains heat and which may become contaminated either through the use of water treatment chemicals used for corrosion inhibitors or biocides or by direct contact with process materials and/or wastewater.

Daily Average - The mean value of the analyses of at least eight grab samples collected at regular intervals over a normal operating day.

Director - The Director of the Massachusetts Division of Water Pollution Control.

Division - Massachusetts Water Resources Commission
Division of Water Pollution Control
Leverett Saltonstall Building
100 Cambridge Street
Boston, Massachusetts 02202

EPA - U. S. Environmental Protection Agency
Region I
John F. Kennedy Federal Building
Boston, Massachusetts 02203

Grab Sample - An individual sample collected in a period of less than 15 minutes.

National Pollutant Discharge Elimination System Permit (NPDES) -
A permit issued under authority of s402 of the Federal
Water Pollution Control Act, as amended (P.L. 92-500).

Regional Administrator - The Regional Administrator of Region I of
the U. S. Environmental Protection Agency.

Uncontaminated Cooling Water - Water used for cooling purposes only
which contains heat but which has
no direct contact with any product
or raw material and which does not
contain a level of contaminants
detectably higher than that of the
intake water.

Implementation Schedule - An abatement program consisting of:

- a. A plan of intended design, construction, and operation of
new or modified facilities to treat the effluent; and
- b. A timetable setting forth the dates by which all sources
of water pollution must be in compliance with the effluent
limitations of this permit. The schedule shall include
(if appropriate) interim and final dates to accomplish:

for internal process modifications

- (1) Completion of preliminary plans and engineering
report
- (2) Completion of final plans
- (3) Contract award
- (4) Commencement of construction
- (5) Completion of construction and commencement of
operation
- (6) Attainment of operational level

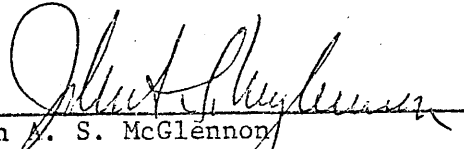
Calendar Month Average - The average of the operating day values
taken over a calendar month at a minimum
of either three samples or the frequency
specified in the section on monitoring
and reporting, whichever is greater.

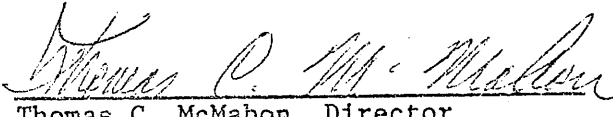
The following abbreviations, when used, are defined below.

mg/l	milligrams per liter
ug/l	micrograms per liter
#/day	pounds per day
ppd	pounds per day
lbs./day	pounds per day
kgpd	kilograms per day
Temp. °C	temperature in degrees Centigrade
Temp. °F	temperature in degrees Fahrenheit
Turb.	turbidity measured in Jackson Candle Units (JTU)
TSS	total nonfilterable residue or total suspended solids
DO	dissolved oxygen
BOD	five-day biochemical oxygen demand unless otherwise specified
TKN	total Kjeldahl nitrogen as nitrogen
NH ₃ -N	ammonia nitrogen as nitrogen
Total P	total phosphorus as phosphorus
COD	chemical oxygen demand
TOC	total organic carbon
Surfactant	surface-active agent
pH	a measure of the hydrogen ion concentration
PCB	polychlorinated biphenyl
CFS	cubic feet per second
MGD	million gallons per day

Oil & Grease	hexane extractable material
Total Coliform	total coliform bacteria
Fecal Coliform	total fecal coliform bacteria
ml/l	milliliter(s) per liter
SU	standard units
NO ₃ -N	nitrate nitrogen as nitrogen
NO ₂ -N	nitrite nitrogen as nitrogen
NO ₂ & NO ₃	combined nitrite and nitrate nitrogen as nitrogen
Cl ₂	total residual chlorine

This permit shall become effective on the date of the Director's and the Regional Administrator's signatures and shall expire on June 31, 1975 or date of tie-in to the municipal system, whichever is sooner.


 John A. S. McGlennon
 Regional Administrator
 Environmental Protection Agency


 Thomas C. McMahon, Director
 Division of Water Pollution Control

Weyerhaeuser Company, Paper Division, Fitchburg, Mass.

